

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number:

09/276,484B

Source:

1FW16

Date Processed by STIC:

11/23/04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/09/276,484B

TIME: 14:58:44

Input Set : D:\465c1.app.txt

Output Set: N:\CRF4\11222004\I276484B.raw

```

4 <110> APPLICANT: Gaiger, Alexander
5   Cheever, Martin A.
7 <120> TITLE OF INVENTION: COMPOSITONS AND METHODS FOR WT1 SPECIFIC
8   IMMUNOTHERAPY
10 <130> FILE REFERENCE: 210121.465C1
12 <140> CURRENT APPLICATION NUMBER: US 09/276,484B
13 <141> CURRENT FILING DATE: 1999-03-25
15 <150> PRIOR APPLICATION NUMBER: US 09/164,223
16 <151> PRIOR FILING DATE: 1998-09-30
18 <160> NUMBER OF SEQ ID NOS: 326
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 17
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapien
27 <400> SEQUENCE: 1
28 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly
29 1      5      10      15
30 Gly
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 23
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapien
38 <400> SEQUENCE: 2
39 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
40 1      5      10      15
41 Tyr Leu Pro Ser Cys Leu Glu
42      20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 23
46 <212> TYPE: PRT
47 <213> ORGANISM: Mus musculus
49 <400> SEQUENCE: 3
50 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
51 1      5      10      15
52 Tyr Leu Pro Ser Cys Leu Glu
53      20
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 19
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapien
60 <400> SEQUENCE: 4
61 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys

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62      1      5      10      15
63      Trp Thr Glu
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 22
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
74 <400> SEQUENCE: 5
75      gagagtcaga cttgaaagca gt
76                                     22
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 20
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
85 <400> SEQUENCE: 6
86      ctgagcctca gcaaatgggc
87                                     20
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
96 <400> SEQUENCE: 7
97      gagcatgcat gggctccgac gtgcggg
98                                     27
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 25
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
107 <400> SEQUENCE: 8
108      ggggtaccca ctgaacggtc cccga
109                                     25
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 18
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
118 <400> SEQUENCE: 9
119      tccgagccgc acctcatg
120                                     18
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 18
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
129 <400> SEQUENCE: 10

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130 gcctgggatg ctggactg                                     18
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 27
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
140 <400> SEQUENCE: 11
141 gagcatgcga tgggttcga cgtgcgg                             27
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 29
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
151 <400> SEQUENCE: 12
152 ggggtacctc aaagcgccac gtggagttt                         29
154 <210> SEQ ID NO: 13
155 <211> LENGTH: 17
156 <212> TYPE: PRT
157 <213> ORGANISM: Mus musculus
159 <400> SEQUENCE: 13
160 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
161   1           5           10           15
162 Gly
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 19
167 <212> TYPE: PRT
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 14
171 Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys
172   1           5           10           15
173 Trp Thr Glu
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapien
181 <400> SEQUENCE: 15
182 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
183   1           5           10           15
185 <210> SEQ ID NO: 16
186 <211> LENGTH: 15
187 <212> TYPE: PRT
188 <213> ORGANISM: Mus musculus
190 <400> SEQUENCE: 16
191 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
192   1           5           10           15
194 <210> SEQ ID NO: 17
195 <211> LENGTH: 14

```

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```

196 <212> TYPE: PRT
197 <213> ORGANISM: Mus musculus
199 <400> SEQUENCE: 17
200 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
201 1 5 10
203 <210> SEQ ID NO: 18
204 <211> LENGTH: 14
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapien
208 <400> SEQUENCE: 18
209 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
210 1 5 10
212 <210> SEQ ID NO: 19
213 <211> LENGTH: 15
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapien
217 <400> SEQUENCE: 19
218 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
219 1 5 10 15
221 <210> SEQ ID NO: 20
222 <211> LENGTH: 15
223 <212> TYPE: PRT
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 20
227 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
228 1 5 10 15
230 <210> SEQ ID NO: 21
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: sense primer for amplification of
237 WT1 in mouse cell lines
239 <400> SEQUENCE: 21
240 cccaggctgc aataagagat a 21
242 <210> SEQ ID NO: 22
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: antisense primer for amplification
249 of WT1 in mouse cell lines
251 <400> SEQUENCE: 22
252 atgttgtgat ggcggaccaa t 21
254 <210> SEQ ID NO: 23
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:

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260 <223> OTHER INFORMATION: sense Beta Actin primer used
261     in the control reactions.
263 <400> SEQUENCE: 23
264   gtggggcgcc ccaggcacca
266 <210> SEQ ID NO: 24
267 <211> LENGTH: 24
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: antisense Beta Actin primer used
273     in the control reactions
275 <400> SEQUENCE: 24
276   gtccttaatg ctacgcacga tttc
278 <210> SEQ ID NO: 25
279 <211> LENGTH: 21
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
286 <400> SEQUENCE: 25
287   ggcactctgag accagtgaga a
289 <210> SEQ ID NO: 26
290 <211> LENGTH: 21
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Primer for use in nested RT-PCR
297 <400> SEQUENCE: 26
298   gctgtccac ttacagatgc a
300 <210> SEQ ID NO: 27
301 <211> LENGTH: 21
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Primer for use in nested RT-PCR
308 <400> SEQUENCE: 27
309   tcaaagcgcc agctggagtt t
311 <210> SEQ ID NO: 28
312 <211> LENGTH: 9
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapien
316 <400> SEQUENCE: 28
317   Ala Ala Gly Ser Ser Ser Ser Val Lys
318     1           5
320 <210> SEQ ID NO: 29
321 <211> LENGTH: 9
322 <212> TYPE: PRT
323 <213> ORGANISM: Homo sapien
325 <400> SEQUENCE: 29

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VERIFICATION SUMMARY

DATE: 11/23/2004

PATENT APPLICATION: US/09/276,484B

TIME: 14:58:45

Input Set : D:\465c1.app.txt

Output Set: N:\CRF4\11222004\I276484B.raw